

# DEMKO CERTIFICATE

**Certificate No.** D-06603-A1  
**Page** 1/3  
**Date of Issue** 2019-11-25

**Certificate Holder** TDK-LAMBDA CORP  
NAGAOKA TECHNICAL CENTER  
R&D DIV  
2704-1 SETTAYA-MACHI  
NAGAOKA-SHI NIIGATA 940-1195 JAPAN

**Manufacturer** TDK-LAMBDA CORP  
NAGAOKA TECHNICAL CENTER  
R&D DIV  
2704-1 SETTAYA-MACHI  
NAGAOKA-SHI NIIGATA 940-1195 JAPAN

**Production site** WUXI TDK-LAMBDA ELECTRONICS CO LTD  
NO 6 XING CHUANG ER LU WUXI JIANGSU 214028  
CHINA

See Page 2

**Certified Product Model** Switching Power Supply  
ZWS10B-abcdef  
See Page 2

**Trademark**

***TDK-Lambda***

**Rated Voltage / Frequency**

See Page 2

**Rated Current / Power**

See Page 2

**Insulation Class**

Class I

**Degree of protection (IP)**

IPX0

**Tested acc. to**

EN 62368-1:2014/A11:2017, EN 62368-1:2014

**Test Report No.**

4788049704 issued on 2018-05-23

**Additional**

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**Expire date**

2028-05-31

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**Certification Manager**  
Jan-Erik Storgaard

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the D Mark Requirements. The Designated Certificate holder is entitled to use the d or for cables <DEMKO> for the Certified Product manufactured at the production site(s) identified above, in accordance with the D Mark Service Agreement, including without limitation the D Mark Testing and Certification Services Service Terms. Only those Products bearing the D Mark should be considered as being covered by UL's D Mark Service. This Certificate shall remain valid through the expiration date, unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior to the expiration date.

**Certification Body**

UL International Demko A/S, Borupvang 5A, DK-2750  
Ballerup, Denmark, Tel. +45 44 85 65 65,  
info.dk@ul.com  
www.ul-europe.com



# Appendix DEMKO CERTIFICATE

**Certificate No.** D-06603-A1  
**Page** 2/3  
**Date of Issue** 2019-11-25

**Model Details:**

ZWS10B-abcdef a = 3, 5, 12, 15, 24. b = "/" or blank. c = "A", "L" or blank. d = "CO2" or blank. e = "FG" or blank. f = "FV" or blank.

**Production Sites:**

TDK-LAMBDA MALAYSIA SDN BHD  
LOT 2 & 3, BATU 9 3/4 KAWASAN PERINDUSTRIAN BANDAR BARU JAYA GADING26070 KUANTAN  
MALAYSIA

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD  
TONGXIN RD ZHAOFENG ECONOMIC DEVELOPMENT ZONE LEYU TOWN ZHANGJIAGANG JIANGSU 215622  
CHINA

ALPS LOGISTICS FACILITIES CO LTD  
593-1 NISHIOHASHI TSUKUBA-SHI IBARAKI-KEN 305-0831  
JAPAN

**Ratings:**

Input: AC100-240V, 50/60Hz,

0.2A (for model ZWS10B-3),

0.3A (except for model ZWS10B-3)

**Output :**

ZWS10B-3bcdef: 2.97-3.63Vdc, Maximum 2A,  
Maximum 6.6W

ZWS10B-5bcdef: 4.5-5.5Vdc, Maximum 2A, Maximum 10W

ZWS10B-12bcdef: 10.8-13.2Vdc, Maximum 0.9A;  
Maximum 10.8W

ZWS10B-15bcdef: 13.5-16.5Vdc, Maximum 0.7A;  
Maximum 10.5W

ZWS10B-24bcdef: 21.6-26.4Vdc, Maximum 0.5A;  
Maximum 12W

**Additional Information:**

Additionally evaluated to EN 50178:1997.

This certificate replaces certificate No. D-06603 dated 2018-06-01 due to addition of EN 50178:1997 standard in Additional Information.

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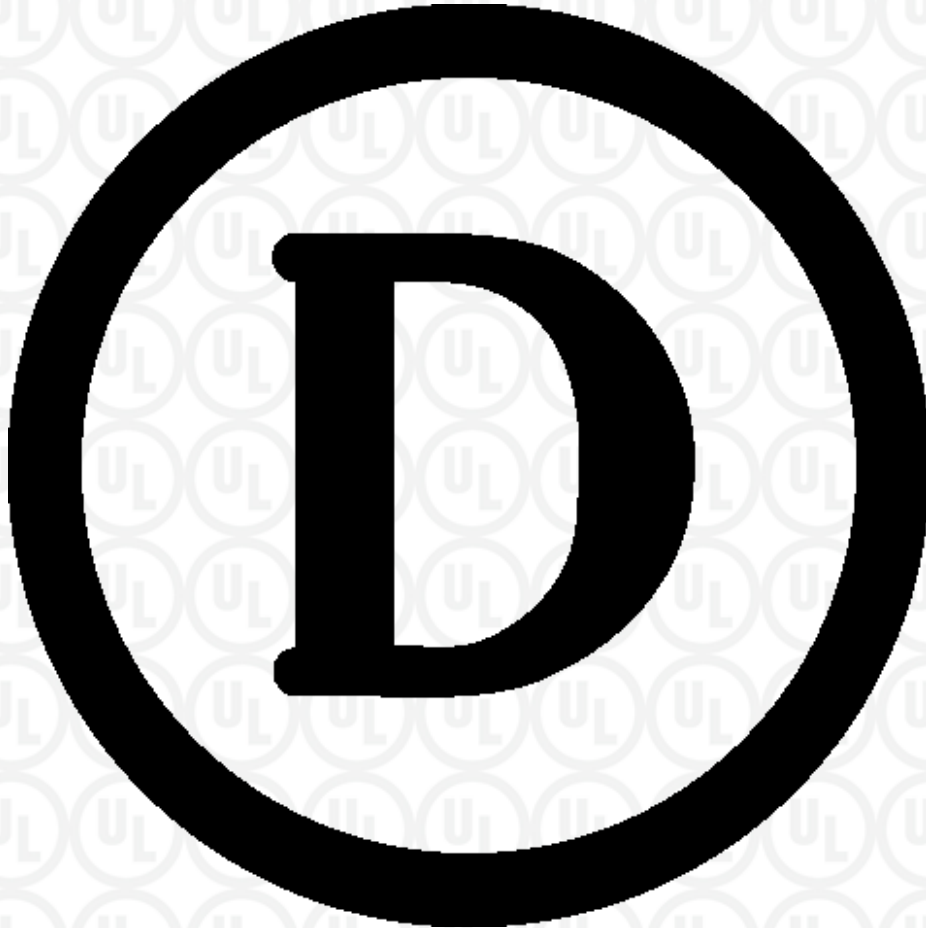
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Certificate No. D-06603-A1  
Page 3/3  
Date of Issue 2019-11-25



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